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Claims

- 1. A method for closed die forging a product from a preform blank of a forgeable material,
- 5 characterized in
 - placing the blank in a press tool, said press tool including a number of centre and side members surrounding the blank,
 - closing the press tool upon the blank,
- forging the blank with short horizontal and vertical movements of the tool avoiding large horizontal movements in the material.
 - 2.. A method as claimed in claim 1,
- 15 characterized in that the press tool is closed in two continuous, subsequent steps:
 - vertically clamping the blank between an upper and lower centre member,
- horizontally moving first and second side members synchronously towards said centre members centring the blank in the press tool.
 - 3. A method as claimed in claim 2,
 - characterized in that the forging includes:
- upsetting the outer parts of said blank with the first and second side members in a continuation of said horizontal movement,
 - forcing the upper and lower centre members into the blank until the material of the blank fills a cavity defined by said centre and side members.
 - 4. A tool for forging a blank into a product with the method claimed in claim 1,
- characterized in that the tool includes a number of upper (21) and lower (22) centre members, and first (23, 24) and second (25, 26) side members, said first (23, 24) and second (25, 26) side members enclosing said

upper (21) and lower (22) centre members defining a closed cavity with the form of product.

- A tool as claimed in claim 4,
- 5 characterized in said first (23, 24) and second (25, 26) side members having sloping outer surfaces, a number of press members (27, 28) with mating inner surfaces acting on said first (23, 24) and second (25, 26) side members in order to force said first (23, 24) and second (25, 26) side members together.
- 6. A tool as claimed in claim 5,
 c h a r a c t e r i z e d i n said first (23, 24) and
 second (25, 26) side members comprising upper (23, 25) and
 lower (24, 26) parts.
- A tool as claimed in claim 4 6,
 c h a r a c t e r i z e d i n said first (23, 24) and
 second (25, 26) side members including brake surfaces form ing a gutter.
- 8. A tool as claimed in claim 4 6,
 c h a r a c t e r i z e d i n said first (23, 24) and second (25, 26) side members being shaped as blunt wedges
 25 in the inner parts engaging the blank.